



PTO/SB/08 (2-92)

Sheet 1 of 2

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket Number 368292001700	Application Number 10/731,375
	Applicant Philip J. BARR et al.	
	Filing Date December 8, 2003	Group Art Unit 1614
	Mailing Date April 12, 2004	

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
J	1.	04/17/2003	2003/0073217	Barr et al.			
	2.	03/22/1988	4,732,973	Barr et al.			
	3.	06/21/1988	4,752,576	Brake et al.			
	4.	04/16/1991	5,008,242	Lezdey et al.			
	5.	05/19/1992	5,114,917	Lezdey et al.			
	6.	06/08/1993	5,217,951	Lezdey et al.			
	7.	03/01/1994	5,290,762	Lezdey et al.			
	8.	05/30/2000	6,068,994	Barr			
	9.	01/16/2001	6,174,859	Lezdey et al.			
	10.	01/28/2003	6,511,960	Lezdey et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date		Country	Class	Subclass	Translation YES NO
J	11.	06/12/1991	EP 0 432 117	Europe			
	12.	06/27/2002	WO 02/50287	WIPO			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
J	13.	Antonelli, P. J. et al. (2003). "Alpha1-Antitrypsin and Ilomastat Inhibit Inflammatory Proteases Present in Human Middle Ear Effusions," <i>Laryngoscope</i> 113(8):1347-1351.
	14.	Antonelli, P. J. et al. (2003). "Protease Inhibitors α_1 -Antitrypsin and Ilomastat Are not Ototoxic in the Chinchilla," <i>Laryngoscope</i> 113(10):1764-1769.
	15.	Avidano, M.A. et al. (1998). "Analysis of Protease Activity in Human Otitis Media," <i>Otolaryngol Head Neck Surg</i> 119(4):346-351.
	16.	Carrell, R. W. et al. (1982). "Structure and Variation of Human α_1 -Antitrypsin," <i>Nature</i> 298:329-334.
	17.	Galaray, R. E. (1993). "Antiinflammatory Protease Inhibitor," <i>Drugs of the Future</i> 18:1109-1111.

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DATE CONSIDERED:

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EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

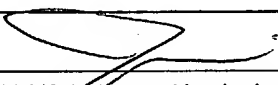
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7	18.	Grobelny, D. et al. (1992). "Inhibition of Human Skin Fibroblast Collagenase, Thermolysin, and Pseudomonas Aeruginosa Elastase by Peptide Hydroxamic Acids," <i>Biochemistry</i> 31:7152-7154.
	19.	Hamaguchi, Y. et al. (1991). "The Relationship Between Proteases Activity and Glycoprotein Levels in Middle Ear Effusions from Experimental Otitis Media in Cats," <i>Acta Otolaryngol Suppl.</i> 483:23-29.
	20.	Hamaguchi, Y. et al. (1992). "Neutrophil Elastase and its Complex with Alpha 1-Antitrypsin in the Pathogenesis of chronic Suppurative Otitis Media," <i>Ann. Otol. Rhinol. Laryngol. Suppl</i> 101:26-31.
	21.	Hercz, A. (1985). "Proteolytic Cleavages in α_1 - Antitrypsin and Microheterogeneity," <i>Biochem Biophys. Res. Comm</i> 128:199-203.
	22.	Hubbard, R. C. et al. (1989). "Recombinant DNA-Produced α_1 -Antitrypsin Administered by Aerosol Augments Lower Respiratory Tract Antineutrophil Elastase Defenses in Individuals with α_1 -Antitrypsin Deficiency," <i>J. Clin. Invest</i> 84:1349-1354.
	23.	Levy, D. E. et al. (1998). "Matrix Metalloproteinase Inhibitors: A Structure-Activity Study," <i>J. Med. Chem.</i> 41:199-223.
	24.	Ohyama, M. et al. (1999). "Ofloxacin Otic Solution in Patients with Otitis Media," <i>Arch Otolaryngol Head Neck Surg</i> 125:337-340.
	25.	Otlewski, J. et al. (1999). "Protein of Serine Proteinases," <i>Acta Biochimica Polonica</i> 46:531-565.
	26.	Pearson, W. R. et al. (1998). "Improved Tools for Biological Sequence Comparison," <i>PNAS</i> 85:2444-2448.
	27.	Potemka, J. et al. (1994). "The Serpin Superfamily of Proteinase Inhibitors: Structure, Function, and Regulation," <i>J. Biol. Chem.</i> 269:15957-15960.
	28.	Roland, P. S. (2002). "Chronic Suppurative Otitis Media: A Clinical Overview," <i>Ear Nose and Throat J.</i> 81 (Suppl. 1): 8-10.
	29.	Tierney P. et al. (1995). "Neutrophil Elastase-Alpha 1-Antitrypsin in Middle Ear Fluid in Chronic Otitis Media with Effusion," <i>Clin Otolaryngol.</i> 20(3):230-233.
	30.	Travis, J. et al. (1985). "Isolation and Properties of Recombinant DNA Produced Variants of Human α_1 - Proteinase Inhibitor," <i>J. Biol. Chem</i> 260(7):4384-4389.
	31.	Wilmoth, J. G et al. (2003). "Tympanic Membrane Metalloproteinase Inflammatory Response," <i>Otolaryngol Head Neck Surg</i> 129(6):647-654.
7	32.	Wilmoth, J. G. et al. (2003). "Matrix Metalloproteinase in a Gerbil Cholesteatoma Model," <i>Otolaryngol Head Neck Surg</i> 129(4):402-407.

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